GOVERNMENT OF ANDHRA PRADESH
ABSTRACT

Water Resources Department – NREDCAP- Promotion of Pumped Hydro Storage Power Project in the State of Andhra Pradesh – Allocation of water to Pumped Hydro Storage Power Projects from various sources- Permission accorded - Orders – Issued.

WATER RESOURCES (REFORMS) DEPARTMENT

G.O.Ms.No.64 **Dated: 10.12.2021**

Read the following:

1) From the VC&MD, NREDCAP, Lr.No. NREDCAP/WE/ PSP/ 2021/1807, dt: 06.10.2021 received through Energy Department, A.P. Secretariat.
2) Govt. Memo No. ICD01-COOR0MISC/59/Reforms/ 2021, dt. 20.10.2021.
3) From the Engineer-in-Chief(I), WRD, Lr.No.ENC(I)/ EE/DEE1/ AEE2/ IWS (NREDCAP), dt. 18.11.2021.

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O R D E R

In the letter 1st read above, the VC & MD, NREDCAP, has requested the Government to consider for requirement of water for onetime filling of upper reservoirs for non-consumptive utilization and also to recoup the evaporation losses to the following Pumped Storage Power Projects, as the proposed PSP Projects are helpful to maintain grid balances and meet the peak power demand in the State:

S. No	PSP Project	Water allocation requirement	
		Onetime filling	Towards annual evaporation losses
1	Gandikota, YSR Kadapa Dist.	9.514 MCM (0.34 TMC)	1.29 MCM (0.046 TMC)
2	Chitravathi, Ananthapuramu Dist.	6.40 MCM (0.23TMC)	0.15 MCM (0.0053 TMC)
3	Somasila, YSR Kadapa Dist.	8.33MCM (0.23 TMC)	0.42 MCM (0.015 TMC)
4	OWK Reservoir, Kurnool Dist.	15.051 MCM (0.532 TMC)	0.20 MCM (0.007 TMC)

2. In the Govt. Memo 2nd read above, the ENC (I), WRD was requested to furnish the proposals with his Specific recommendations duly quoting availability of water, possibility of allocation as per norms in the recommended sources.

3. In the letter 3rd read above, the Engineer-in-Chief (Irrigation), Water Resources Department, Vijayawada has recommended the following proposals to Government, as reported by the concerned Chief Engineers (i.e. Chief Engineer(P), Kadapa, Chief Engineer, NTR TGP, Tirupati and Chief Engineer & DWRO, Kurnool) and requested the Government to issue necessary orders for allocation of water for onetime filling of upper reservoirs for non-consumptive utilisation and also to recoup the evaporation losses to the proposed PSP Projects, subject to the terms and conditions as follows:

S. No	PSP Project	Allocation from the Source	Concerned CEs	Onetime filling for Pumped Storage Project	
				Non-Consumption use	Towards annual evaporation losses
1	Gandikota, YSR Kadapa Dist.	Gandikota Reservoir	C.E.(P) Kadapa	9.514 MCM (0.34 TMC)	1.29 MCM (0.046 TMC)
2	Chitravathi, Ananthapuramu Dist.	Chitravathi Balancing Reservoir	C.E.(P) Kadapa	6.40 MCM (0.23TMC)	0.15 MCM (0.0053 TMC)
3	Somasila, YSR Kadapa Dist.	Somasila Reservoir	CE., NTR TGP., Tirupathi	8.33MCM (0.294 TMC)	0.42 MCM (0.015 TMC)
4	OWK Reservoir, Kurnool Dist.	Owk Reservoir	C.E., Kurnool	15.051 MCM (0.5 TMC)	0.007 MCM

- **Terms and Conditions :-**

1) The water can be spared subject to the availability of water in the Gandikota, Chitravathi, Owk & Somasila Reservoirs for one time filling.
2) Regard to Owk Reservoir, drawl of 15.051 MCM (0.5 TMC) as one time filling and 0.007 MCM for annual recouping of evaporation losses is permitted, provided the said Pumped Storage Project (4X200 MW) forms two independent reservoirs (upper and lower) separately of its own without taking existing Owk reservoir as lower pond into their scheme.
3) The entire cost of construction of intake well, pump house, pipelines excavation etc., should be borne by the company/ corporation i.e. NREDCAP only.
4) Water meters or suitable measuring devices should be installed by the company/ corporation at their own cost to measure the water consumed and should be made available to the department authorities and the representatives of the users shall be present at all time of inspection. The water meter shall be periodically calibrated and kept sealed. The period of calibration will be specified by the department.
5) The company/ corporation should pay the water rate at the existing rates and in case of failure to pay water rate/royalty the permissions to draw water shall stands cancelled.
6) The company/ corporation should pay royalty charges as per the Govt. Memo No. 2772/Reforms/A2/2015-1, Dt. 30-9-2015 at the rate of 5.50/ 1000 gallon for consumptive use and for non-consumptive use water charges should be paid as per G.O.Ms. No. 39, I&CAD (PW:IWS) Dept., Dt. 02-04-2002. The water royalty charges are likely to be revised by the Government from time to time and the industry shall pay the revised rates as fixed by the Government from time to time.
7) The company/ corporation shall obtain the prior concurrence from concerned departments for laying pipelines and for crossing etc., where ever necessary.
8) No field bodhi or pipeline shall be taken through or along with Government land without approval of government and if permission accorded by the Government the lease should be paid as fixed by Government only.
9) The company/ corporation should make their own arrangements to dispose the treated effluents as per norms of A.P. Pollution Control board in their premises only and should obtain prior permission if any needed from Government to dispose treated effluents in their natural sources. Necessary clearance from the A.P. Pollution Control Board is to

be obtained in this regard by the firm before drawl of water from the source.

10) The Water Resources Department reserves the right for cancellation of the permission without assigning any reasons thereof.
11) The Water Resources Department is no way responsible for non-supply of water due to any reasons.
12) The company/ corporation must acquire the private land for installation of pumping arrangements. If the company/ corporation proposes to utilize Government land for installation of pump house, necessary permissions is to be obtained from the Government for leasing the land and the lease amount fixed is to be paid by the NREDCAP.
13) The company/ corporation must strengthen the river margin 100m from the toe to the River Flood Bank.
14) The company/ corporation has to lay CC (1:4:8) before laying the pipeline and CC(1:2:4) over the pipeline refill the pipeline with proper soils and consolidate the banks as directed by the Department.
15) The company/ corporation have to construct CC walls to avoid leakage at pipeline crossing.
16) The water drawn from the Gandikota, Chitravathi, Owk & Somasila Reservoirs should utilized for the purpose for which the permission is granted.
17) The company/ corporation should follow the Revenue Board Standing Orders.
18) The company/ corporation shall pay security deposit at 5% on 10 years water charges for which permission is granted.
19) The company/ corporation shall pay one year water charges as advance and any amount due to the department before entering in to agreement.
20) The company/ corporation has to conclude agreement with the officers concerned of Water Resources Department.
21) The company/ corporation shall abide by R.C.Act-1884 and any other condition laid down by the Government Department from time to time.
22) The company/ corporation should make its own arrangements for summer storage in their premises only.
23) The company/ corporation has to conclude agreements with concerned Officers.
24) M/s NREDCAP shall abide by any other conditions laid down by the Government Department from time to time.
25) The company/ corporation has to pay the water charges for the estimated quantity in advance as the start of the financial year i.e., before 10th April every year as per BSO.
26) Under any circumstances, the water utilization should not exceed the quantum of water allotted by the Government.
27) The proposed drawl for this plant should not affect Lower riparian rights (LRR) and Upper riparian rights (URR) in any manner.
28) The Department is no way responsible for any damages that may occur to the off take point due to floods in Krishna River or on an account of any other reasons.
29) The permission does not confer any riparian right to the company/ corporation.
30) Non-Adherence to any of the above condition by the company/ corporation will entail cancellation of the permission.
31) The Firm has to produce the relevant records for Departmental verification at the end of each quarter periodically.
32) The concerned Executive Engineer will be responsible for enforcing the conditions.

4. Government after careful examination and as recommended by the Engineer-in-Chief (Irrigation), Water Resources Department, hereby accorded permission to M/s New & Renewable Energy Development Corporation of Andhra Pradesh Ltd. (NREDCAP) for drawl of water for onetime filling of upper reservoirs for non-consumptive utilisation and also to recoup the evaporation

losses to the proposed PSP Projects as mentioned in the table at Para (3) above, subject to the above terms and conditions and also payment of water Royalty charges for Non-Consumptive/ Consumptive utilisation as fixed by the Government from time to time.

5. The Engineer-in-Chief (Irrigation), Water Resources Department, Vijayawada, Chief Engineer (P), Kadapa, Chief Engineer & DWRO, Kurnool, Chief Engineer, NTR TGP, Tirupati, Collector & District Magistrate of Kurnool District, Collector & District Magistrate of Kadapa District, Collector & District Magistrate of Ananthapuramu District shall take necessary action accordingly.

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF ANDHRA PRADESH)

DR. K.S. JAWAHAR REDDY
SPL. CHIEF SECRETARY TO GOVERNMENT

To
The Engineer-in-Chief (Irrigation), Water Resources Department,
Andhra Pradesh, Vijayawada.
The Chief Engineer, Water Resources Department, Kurnool.
The Chief Engineer(P), WRD, Kadapa.
The Chief Engineer, NTR TGP, Tirupati,
The Collector & District Magistrate, Kurnool District.
The Collector & District Magistrate, Kadapa District.
The Collector & District Magistrate, Ananthapuramu District.
The Managing Director, AP. Pollution Control Board, Vijayawada.
The VC & Managing Director , M/s NREDCAP,
12-464/5/1, River Oaks Apartments, CSR Kalyanamandapam Road,
Tadepalli- PO, Guntur District. Pin-522501.

Copy to:
The Private Secretary to Hon'ble Minister for Water Resources Department.
The Private Secretary to the Spl. Chief Secretary to Government,
Water Resources Department.
The Private Secretary to the Secretary to Government,
Energy, Department, A.P Secretariat.
SF/SC.

//FORWARDED::BY ORDER//

P.C. Shanmukha

SECTION OFFICER